Serial No.:
Inventor: R.A. Potyrailo
Docket No.: RD-28,490
Attorney: N. C. Johnson
Atty's Tele. No.: (518) 387-7863

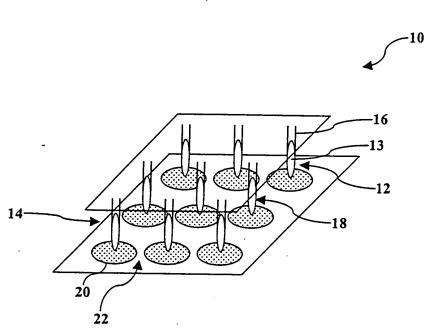
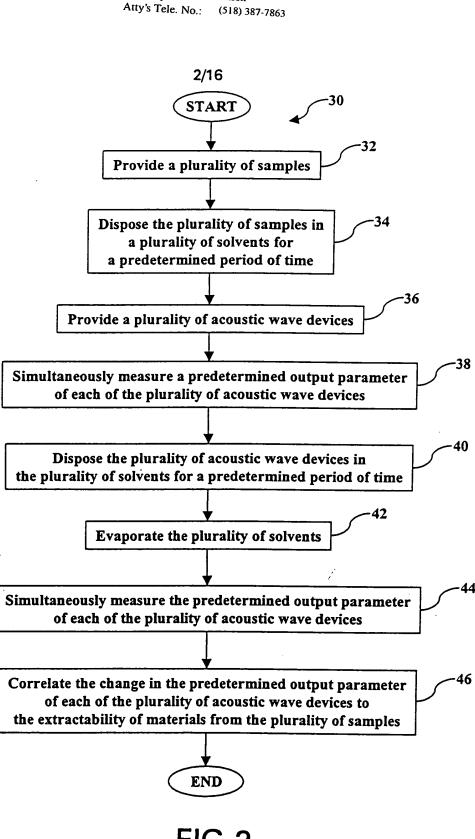


FIG.1



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Inventor: R.A. Potyrailo

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FIG.2

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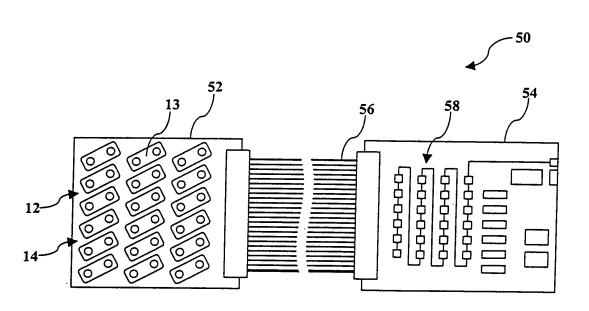


FIG.3

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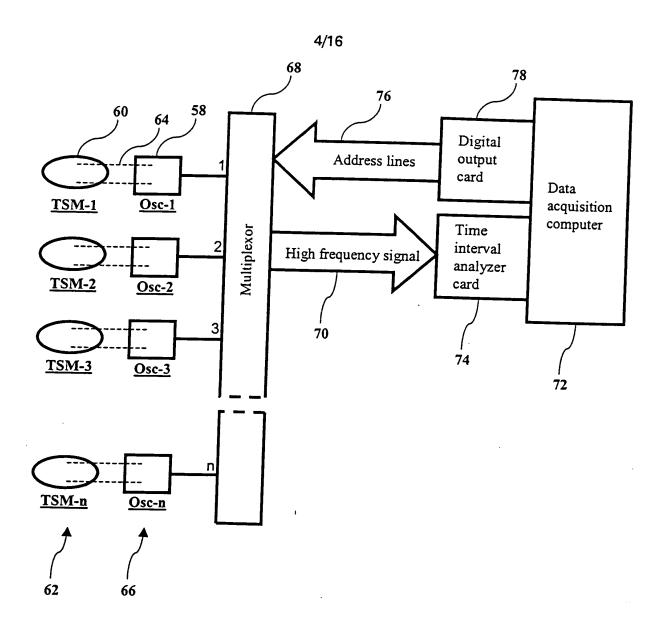


FIG.4

Attorney: N. C. Johnson Atty's Tele. No.: (518) 387-7863 5/16 Initialize time interval analyzer card Set parameters for time interval measurements Measurement Control parameters: parameters: - Flow rates of fluids to deliver 82 - Set total lines m of data. to array. Temperature, Number of points - Electomagnetic radiation, to average, - Humidity, - Temporal profiles of fluid Integration time, delivery, temperature, electromagnetic radiation, etc. rigger threshold, - Other environmental conditions Others Loop for continually recording 24 oscillator frequencies Loop for measuring i-th oscillator Set address for i-th oscillator Read frequency of i-th oscillator Repeat loop for each oscillator Add data points to display graph Write line of 24 frequency values to data file 96 Terminate after m lines of data have been recorded

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FIG.5

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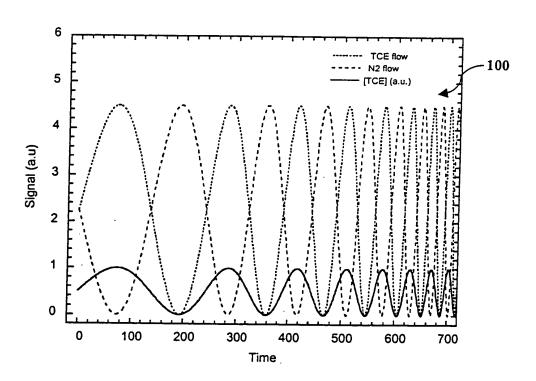


FIG.6

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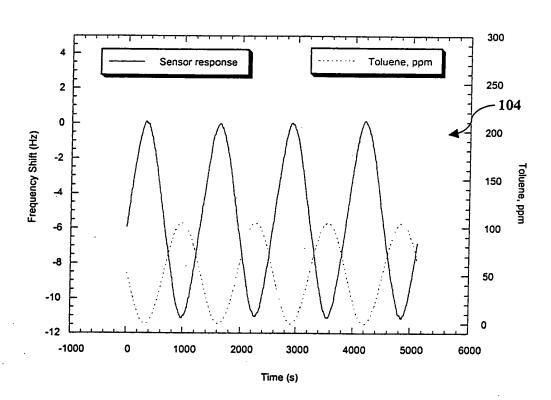


FIG.7

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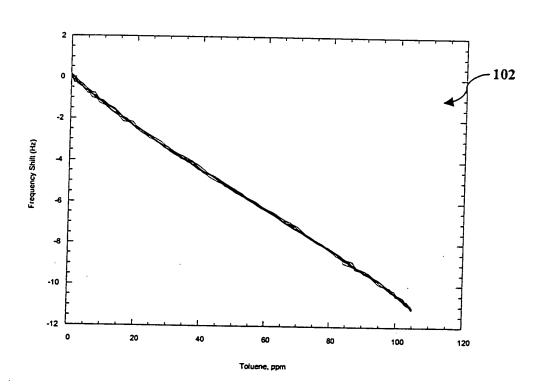


FIG.8

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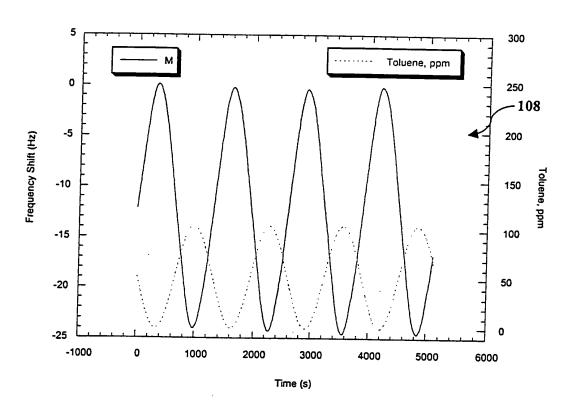


FIG.9

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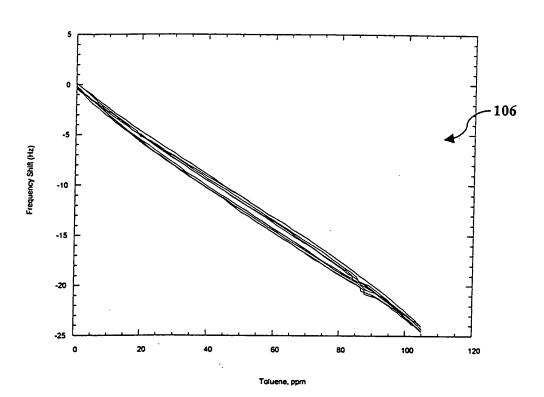


FIG.10

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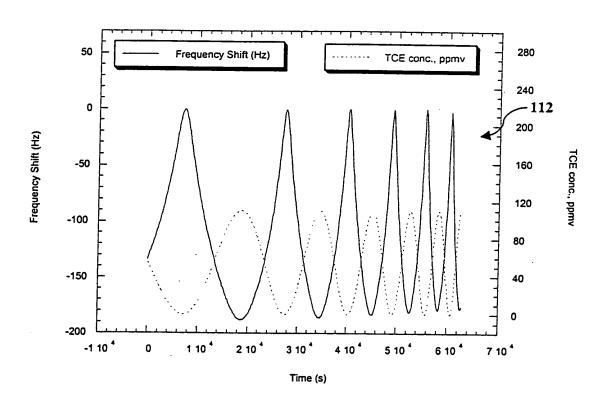


FIG.11

erial No.: ventor: R.A. Potyrailo Docket No.: RD-28,490 Attorney: N. C. Johnson Atty's Tele. No.: (518) 387-7863

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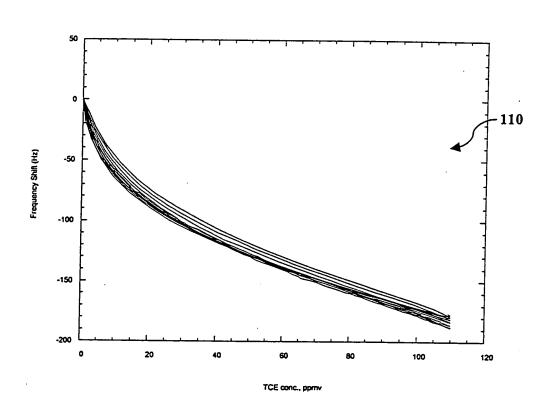


FIG.12

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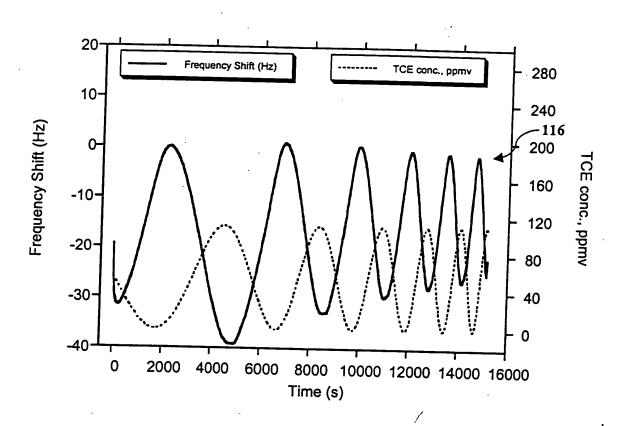


FIG.13

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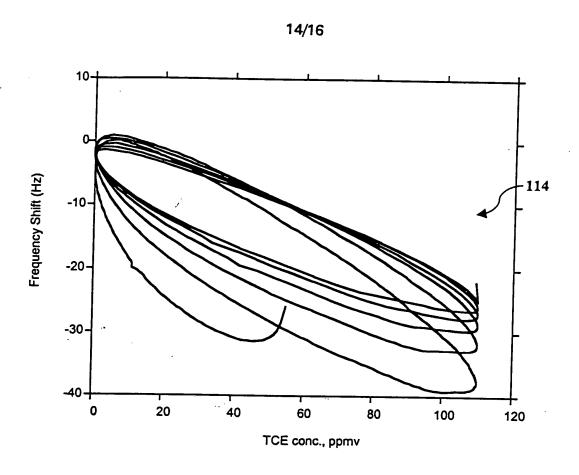


FIG.14

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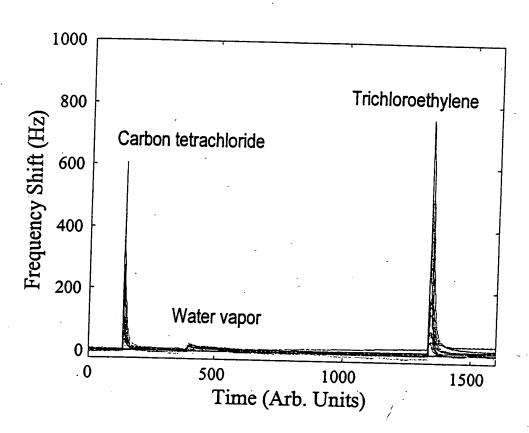


FIG. 15.

FIG.15

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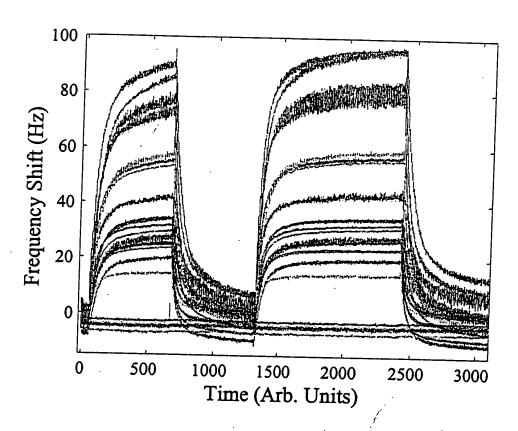


FIG.16